

BREAK-FREE DIV OF SAN BAR -- BREAK-FREE CLP AEROSOL (NON-CHLORINATED FORMULA) - CLF  
 MATERIAL SAFETY DATA SHEET

NSN: 6850001053084

Manufacturer's CAGE: 65983

Part No. Indicator: B

Part Number/Trade Name: BREAK-FREE CLP AEROSOL (NON-CHLORINATED FORMULA)

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General Information

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Item Name: CLEANING COMPOUND, SOLVENT

Company's Name: BREAK-FREE DIV OF SAN/BAR CORP

Company's Street: 1035 S LINWOOD AVE

Company's P. O. Box: 25020

Company's City: SANTA ANA

Company's State: CA

Company's Country: US

Company's Zip Code: 92799-5020

Company's Emerg Ph #: 800-424-9300(CHEMTREC)/202-483-7616

Company's Info Ph #: 714-953-1900/202-483-7616

Record No. For Safety Entry: 023

Tot Safety Entries This Stk#: 028

Status: FE

Date MSDS Prepared: 09JUL92

Safety Data Review Date: 07MAR94

Supply Item Manager: CX

MSDS Preparer's Name: DONALD E. YODER

MSDS Serial Number: BSTWZ

Specification Number: MIL-C-81302

Spec Type, Grade, Class: 2 CL AND IIA TY

Hazard Characteristic Code: G3

Unit Of Issue: CN

Unit Of Issue Container Qty: 16.0 OZ

Type Of Container: CAN, AEROSOL

Net Unit Weight: 0.9 LBS

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Ingredients/Identity Information

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Proprietary: NO

Ingredient: POLYALPHAOLEFIN BASE STOCK

Ingredient Sequence Number: 01

Percent: 61.6

NIOSH (RTECS) Number: 1004246PS

CAS Number: 68649-12-7

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

Other Recommended Limit: NONE RECOMMENDED

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Proprietary: NO

Ingredient: PROPRIETARY INGREDIENTS (SYNTHETIC OILS, ESTERS AND OTHER  
 INGREDIENTS)

Ingredient Sequence Number: 02

Percent: 16.4

NIOSH (RTECS) Number: 1004255PI

OSHA PEL: NOT ESTABLISHED.

ACGIH TLV: NOT ESTABLISHED.

Other Recommended Limit: NONE RECOMMENDED

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Proprietary: NO

Ingredient: HYDROTREATED HEAVY NAPHTHENIC DISTILLATE, PETROLEUM/  
 LUBRICATING OIL BASE STOCK

Ingredient Sequence Number: 03

Percent: 1.2

NIOSH (RTECS) Number: PY8035000

CAS Number: 64742-52-5  
 OSHA PEL: 5 MG/M3 OIL MIST  
 ACGIH TLV: 5 MG/M3 OIL MIST  
 Other Recommended Limit: NONE RECOMMENDED

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 Proprietary: NO  
 Ingredient: ETHYLHEXYL ACETATE  
 Ingredient Sequence Number: 04  
 Percent: 13.5  
 NIOSH (RTECS) Number: AH5600000  
 CAS Number: 103-09-3  
 OSHA PEL: NOT ESTABLISHED  
 ACGIH TLV: NOT ESTABLISHED  
 Other Recommended Limit: NONE RECOMMENDED

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 Proprietary: NO  
 Ingredient: DIBASIC ESTER  
 Ingredient Sequence Number: 05  
 Percent: 4.4  
 NIOSH (RTECS) Number: 1006080DE  
 OSHA PEL: NOT ESTABLISHED  
 ACGIH TLV: NOT ESTABLISHED  
 Other Recommended Limit: NONE RECOMMENDED

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 Proprietary: NO  
 Ingredient: CARBON DIOXIDE  
 Ingredient Sequence Number: 06  
 Percent: 2.9  
 NIOSH (RTECS) Number: FF6400000  
 CAS Number: 124-38-9  
 OSHA PEL: 5000 PPM  
 ACGIH TLV: 5000PPM/30000STEL;94  
 Other Recommended Limit: NONE RECOMMENDED

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#### Physical/Chemical Characteristics

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Appearance And Odor: LIGHT AMBER COLOR WITH A SLIGHT FRUITY ODOR.  
 Boiling Point: 378F,192C  
 Vapor Pressure (MM Hg/70 F): 0.04  
 Vapor Density (Air=1): 5.9  
 Specific Gravity: 0.86  
 Evaporation Rate And Ref: <0.03 (N-BUTYL ACETATE=1)  
 Solubility In Water: NIL  
 Percent Volatiles By Volume: 20.8  
 pH: N/A  
 Autoignition Temperature: N/A

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#### Fire and Explosion Hazard Data

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Flash Point: 201F,94C  
 Flash Point Method: PMCC  
 Lower Explosive Limit: N/A  
 Upper Explosive Limit: N/A  
 Extinguishing Media: CARBON DIOXIDE, FOAM, DRY CHEMICAL.  
 Special Fire Fighting Proc: USE NORMAL PROCEDURES FOR OIL. WATER AND FOAM MAY CAUSE FROTHING. IF A LEAK OR SPILL HAS NOT IGNITED USE WATER SPRAY TO DISPERSE VAPORS AND/OR COOL CONTAINERS.  
 Unusual Fire And Expl Hazrds: FIREFIGHTERS SHOUD WEAR NIOSH-APPROVED, SELF-CONTAINED BREATHING APPARATUS TO AVOID EXPOSURE TO DECOMPOSITION PRODUCTS. USE IN THE POSITIVE-PRESSURE MODE.

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#### Reactivity Data

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Stability: YES

Cond To Avoid (Stability): KEEP FROM OPEN FLAMES.

Materials To Avoid: STRONG OXIDIZERS.

Hazardous Decomp Products: OXIDES OF CARBON, ANTIMONY, SULFUR AND NITROGEN.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT APPLICABLE

#### Health Hazard Data

LD50-LC50 Mixture: LD50 >5G/KG, LOW LEVEL OF TOXICITY.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: SKIN- PROLONGED AND REPEATED CONTACT ON THE SKIN COULD CAUSE IRRITATION AND POSSIBLE DERMATITIS. INHALATION- RESPIRATORY IRRITATION AND DISCOMFORT MAY RESULT. EXCESSIVE INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. INGESTION- MAY CAUSE IRRITATION TO DIGESTIVE TRACT. EYES- POSSIBLE TRANSIENT IRRITATION.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT APPLICABLE

Signs/Symptoms Of Overexp: INHALATION- DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHES AND POSSIBLE UNCONSCIOUSNESS WITH EXCESSIVE INHALATION. SKIN- POSSIBLE SLIGHT TO MODERATE REDNESS MAY OCCUR WITH EXTENDED DAILY EXPOSURE.

Med Cond Aggravated By Exp: PRE-EXISTING SKIN, EYE AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO MATERIAL.

Emergency/First Aid Proc: EYES- FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. SKIN- WASH WITH SOAP AND WATER, LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. INGESTION- DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE QUANTITIES OF WATER AND SEEK IMMEDIATE MEDICAL ATTENTION. INHALATION- MOVE TO FRESH AIR. CALL A PHYSICIAN IF ANESTHETIC OR NARCOTIC EFFECTS RESULT. ASSIST WITH BREATHING SUPPORT MEASURES IF NEEDED.

#### Precautions for Safe Handling and Use

Steps If Matl Released/Spill: IF POORLY VENTILATED, USE RESPIRATORY PROTECTION. FOLLOW ALL INDUSTRIAL PRACTICES FOR CLEANING SOLVENT/OIL SPILLS. DIKE THE AREA TO CONFINE THE SPILL, SHUT OFF IGNITION SOURCES AND USE A GOOD ABSORBENT TO SOAK UP THE SPILL. STORE IN CLOSED CONTAINERS.

Neutralizing Agent: N/A

Waste Disposal Method: DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. TREAT THIS TYPE OF WASTE AS WASTE OIL. INCINERATION NORMALLY PREFERRED. NEVER DUMP INTO THE SEWER OR ON THE GROUND OR INTO ANY NAVIGABLE WATERS, STREAMS, LAKES OR RIVERS.

Precautions-Handling/Storing: DO NOT STORE ABOVE 120F. DO NOT USE AROUND OPEN FLAMES. MAINTAIN ADEQUATE VENTILATION. KEEP FROM CHILDREN. VAPORS CAN COLLECT IN LOW AREAS.

Other Precautions: DO NOT ENTER THOSE AREAS WHERE LARGE QUANTITIES OF VAPORS ARE SUSPECTED OF COLLECTING UNTIL EXCHANGING THE AIR OR USING SPECIAL BREATHING APPARATUS.

#### Control Measures

Respiratory Protection: NOT REQUIRED IN NON-CONFINED AREAS OR WELL VENTILATED AREAS. FOR EMERGENCIES OR FOR WORKING IN CONFINED AREAS WITH LOW AIR EXCHANGE, FOLLOW OSHA STD. 29 CFR 1910.133.

Ventilation: GENERAL DILUTION OR LOCAL EXHAUST SUFFICIENT TO MAINTAIN ADEQUATE AIR EXCHANGE TO AVOID VAPOR BUILD-UP.

Protective Gloves: POLYEHTYLENE, NEOPRENE OR PVC.

Eye Protection: COMPLY WITH OSHA STD. 29 CFR 1910.133

Other Protective Equipment: NOT REQUIRED.

Work Hygienic Practices: DO NOT SMOKE, EAT OR DRINK WHILE USING THE

PRODUCT. WASH HANDS WITH SOAP & WATER BEFORE SMOKING, EATING OR USING TOILET.

Suppl. Safety & Health Data: NONE

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Transportation Data

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Trans Data Review Date: 94066  
 DOT PSN Code: AGD  
 DOT Proper Shipping Name: AEROSOLS, NON-FLAMMABLE,  
 DOT Class: 2.2  
 DOT ID Number: UN1950  
 DOT Label: NONFLAMMABLE GAS  
 IMO PSN Code: AKD  
 IMO Proper Shipping Name: AEROSOLS o  
 IMO Regulations Page Number: 2102  
 IMO UN Number: 1950  
 IMO UN Class: 2(T)  
 IMO Subsidiary Risk Label: T  
 IATA PSN Code: ANB  
 IATA UN ID Number: 1950  
 IATA Proper Shipping Name: AEROSOLS, 20, \*  
 IATA UN Class: 2.2  
 IATA Label: NON-FLAMMABLE GAS  
 AFI PSN Code: ANB  
 AFI Prop. Shipping Name: AEROSOLS, NON-FLAMMABLE, N.O.S.  
 AFI Class: 2.2  
 AFI ID Number: UN1950  
 AFI Basic Pac Ref: 6-6  
 N.O.S. Shipping Name: POLYALPHAOLEFIN OIL  
 Additional Trans Data: NONE

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Disposal Data

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Label Data

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Label Required: YES  
 Technical Review Date: 07MAR94  
 Label Status: F  
 Common Name: BREAK-FREE CLP AEROSOL (NON-CHLORINATED FORMULA)  
 Chronic Hazard: NO  
 Signal Word: CAUTION!  
 Acute Health Hazard-Slight: X  
 Contact Hazard-Slight: X  
 Fire Hazard-Slight: X  
 Reactivity Hazard-None: X  
 Special Hazard Precautions: SKIN- COULD CAUSE IRRITATION AND POSSIBLE DERMATITIS. INHALATION- RESPIRATORY IRRITATION AND DISCOMFORT. EXCESSIVE INHALATION MAY CAUSE CNS EFFECTS. INGESTION- MAY CAUSE IRRITATION. EYES- POSSIBLE TRANSIENT IRRITATION. DO NOT STORE ABOVE 120F. FIRST AID: EYES- FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. SKIN- WASH WITH SOAP AND WATER, LAUNDER CONTAMINATED CLOTHING BRFORE REUSE. INGESTION- DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE QUANTITIES OF WATER AND SEEK IMMEDIATE MEDICAL ATTENTION. INHALATION- MOVE TO FRESH AIR. CALL A PHYSICIAN IF ANESTHETIC OR NARCOTIC EFFECTS RESULT. ASSIST WITH BREATHING SUPPORT MEASURES IF NEEDED.  
 Protect Eye: Y  
 Protect Skin: Y  
 Protect Respiratory: Y  
 Label Name: BREAK-FREE DIV OF SAN/BAR CORP  
 Label Street: 1035 S LINWOOD AVE  
 Label P.O. Box: 25020  
 Label City: SANTA ANA  
 Label State: CA

Label Zip Code: 92799-5020

Label Country: US

Label Emergency Number: 800-424-9300 (CHEMTREC) / 202-483-7616